

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001607**Date Inspected:** 15-Jan-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:****Quality Control Present:****Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:****Bridge No:** 34-0006**Component:** Orthotropic Box Girder and Tower Component**Bid Item:****Lot No:** B 278**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance Inspector (QA) S. Manjunath. Math was present during the times noted above for observations relative to the work being performed.

Inspection for Surface Preparation and/or Coating Application.

OBG Internal Corner Assembly and Cross Beam Bottom Plate Inspection Request No. 2511

A joint two party inspection was performed by ABF QA's and Caltrans QA for the Segment 7BW OBG Internal Corner Unit Assembly Unit Plate X37A (55 Nos.) and OBG External Cross Beam Terminal Bottom Plate at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at Blasting workshop no. 2 for Surface Preparation and Residual Chlorides Test.

Inspection Conclusions: Accepted after Minor Re-blasting and Salt Test conducted on 7BW Bottom Plate and found 20us/cm by ABF QA's and Caltrans QA concurred with the ABF QA's Inspection.

OBG Internal Surface Inspection Request No. 2512

A joint two party inspection was performed by ABF QA's and Caltrans QA for the Segment 7CW OBG Internal Entire Ceiling, OBG Internal Floor Beams and OBG Internal Entire Floor at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at Paint Shop no. 1 for Dry Film Thickness (DFT).

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)

Inspection Conclusions: Accepted by ABF QA's and Caltrans QA concurred with the ABF QA's Inspection.

OBG Internal Surface Inspection Request No. 2513

A joint two party inspection was performed by ABF QA's and Caltrans QA for the OBG Internal Surface for Segment 7BW, OBG Internal Surface for Segment 8AE and OBG Internal Surface for Segment 8AW at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at Assembly Yard for Adhesion Tests.

Inspection Conclusions: Rejected and Cancelled as Segment 7BW 3(Three) Dolly were affixed at Internal Surfaces and First Adhesion Test was performed at Floor Beam at PP 51 (Cross Beam side) result was observed as 14.56 Mpa. Second Test was performed at 1st U-Rib from (Counter Weight side) and result was observed as 18.34 Mpa. and Third Test was performed at earlier Adhesion test failed area but noticed that ZPMC QC had re-located the dolly test piece affixed by ABF to other location, thus asked ZPMC to affix new Dolly next to the failure location and re-submit the Inspection Notification. Accepted by ABF QA's and Caltrans QA concurred with the ABF QA's Inspection.

OBG External Surface Inspection Request No. 2514

A joint two party inspection was performed by ABF QA's and Caltrans QA for the Segment 7CW for OBG External Surface at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at Paint Shop no. 1 for Dry Film Thickness (DFT), MEK Test and Pencil Hardness Test.

Inspection Conclusions: Rejected as holidays and low DFT were found on breakwater pate and minor touch up required and Accepted Salt test at three locations and results obtained as 20 us/cm, 20 us/cm and 30us/cm and 6 locations MEK and Pencil Hardness test by ABF QA's and Caltrans QA concurred with the ABF QA's Inspection.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No relevant conversation

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By: Math,Manjunath

Quality Assurance Inspector

Reviewed By: Miller,Mark

QA Reviewer